



ORGANIZACION DE LOS ESTADOS AMERICANOS
ORGANIZATION OF AMERICAN STATES

Comisión Interamericana de Telecomunicaciones
Inter-American Telecommunication Commission

**29 MEETING OF PERMANENT
CONSULTATIVE COMMITTEE II:
RADIOCOMMUNICATIONS
June 26 to 29, 2017
Orlando, Florida, United States of America**

**OEA/Ser.L/XVII.4.2.29
CCP.II-RADIO/doc. 4356-1-4/17
28 June 2017
Original: English**

**AGENDA ITEM 1.4
PRELIMINARY VIEW FOR WRC-19
(Item on the Agenda: 3.1 (SGT-3))
(Document submitted by the Coordinator)**

SGT-3 – Satellite services

Coordinator:

Co- Coordinator: Brandon MITCHELL – USA

Rapporteur Agenda Item:

Alternate Rapporteur Agenda Item:

Source document 4286/17

Agenda Item 1.4: *to consider the results of studies in accordance with Resolution 557 (WRC-15), and review, and revise if necessary, the limitations mentioned in Annex 7 to Appendix 30 (Rev.WRC-12), while ensuring the protection of, and without imposing additional constraints on, assignments in the Plan and the List and the future development of the broadcasting-satellite service within the Plan, and existing and planned fixed-satellite service networks;*

BACKGROUND:

Appendix 30 contains provisions for use of the broadcasting-satellite service (BSS) Plans and Regions 1 and 3 List, as well as for modifying the Plan (in the case of Region 2) or the List (in the case of Regions 1 and 3). It is a self-contained Appendix, including provisions for modifying the Plan or List (Article 4), notifying Plan or List assignments (Article 5) and for coordinating other services in the frequency bands vis-a-vis the Plan and List (Articles 6 and 7).

Appendix 30 also contains detailed criteria for sharing between the Plan/List and other services. Specifically, Annex 1 to Appendix 30 provides criteria for determining whether the assignments of an administration are affected by a proposed modification to the Region 2 Plan or by a proposed new or modified assignment in the Regions 1 and 3 List; Annex 4 to Appendix 30 provides criteria to determine the need to coordinate the fixed-satellite service (FSS) (or BSS not subject to a Plan) with the assignments of the Plans; and finally Annex 7 to Appendix 30 contains orbital position limitations on modifications to the BSS Plan or List.

The Ku-band frequencies are not globally harmonized; so, for example, the range 11.7-12.2 GHz is BSS in Region 1 and FSS in Region 2, the range 12.5-12.7 GHz is FSS in Region 1 and BSS in Region 2, and the range 12.2-12.5 GHz is BSS in both Regions 1 and 2. The Annex 7 orbital position limitations on modifications to the BSS Plan or List were designed to facilitate BSS sharing with the FSS in the shared part of the orbital arc between Regions 1 and 2, and are specifically applicable to Region 2 BSS in 12.2-12.7 GHz and to Region 1 BSS in 11.7-12.2 GHz.

The Annex 7 orbital position limitations were maintained at WRC-2000 (the most recent BSS Planning conference, which focused on Regions 1 and 3) for the reason that during a Planning conference, many new BSS slots could be adopted at once, which could significantly limit the future access of FSS to the shared portion of the orbital arc. Some of the criteria of Annex 1 and Annex 4 to Appendix 30 were updated at WRC-2003. Since then there has been considerable experience in working with the Plans and the criteria of Annexes 1 and 4 to Appendix 30.

On-going ITU R studies reported that the provisions for Region 1 BSS in Annex 7 to Appendix 30 may no longer be required, and in consequence WRC-15 adopted Agenda Item 1.4 to consider the results of studies in accordance with Resolution 557 (WRC-15) to review the limitations mentioned in Annex 7 to Appendix 30 and see if they could be removed or modified to provide additional access to this valuable spectrum resource. It is envisioned that studies will assess each portion of the orbital position limitations in Annex 7 (including, e.g., the orbital positions in Section A2 applicable to Region 2 BSS) to determine whether each could individually be removed or modified.

Preliminary View:

| **CAN.** USA

| With respect to Agenda Item 1.4, the United States and Canada supports the studies in accordance with Resolution **557 (WRC-15)**. Based upon successful conclusion of these activities, the United States and Canada supports the review and revision, as necessary, of the limitations of Annex 7 to Appendix 30 (**Rev.WRC-12**), while ensuring the protection of existing assignments in the Plan and the List and the future development of BSS service within the Plan, and existing and planned fixed-satellite service networks.
